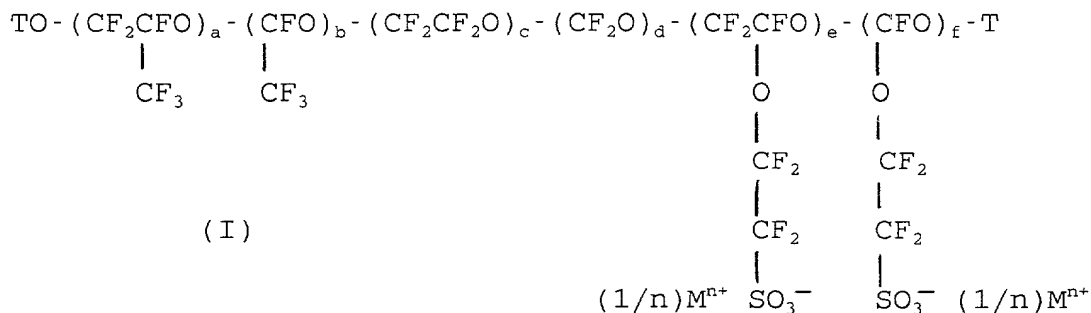


# PERFLUOROPOLYETHER ADDITIVES FOR ELECTROCHEMICAL APPLICATIONS

## ABSTRACT

Electrolytic compositions comprising a perfluoropolyether additive of formula (I):



wherein:

d,e,f are integers; a,b,c can be zero or integers; being a+b+c+d+e+f such that the number average molecular weight ranges from 500 to  $5 \times 10^5$ ;

T are end groups  $-\text{CF}_2\text{X}$  ( $\text{X}=\text{F}, \text{CF}_3, \text{Cl}$ ),  $-\text{C}_3\text{F}_7$ ,  $-\text{CF}(\text{CF}_3)\text{COO}^-$

$(1/n)\text{M}^{n+}$ ,  $-\text{CF}_2\text{COO}^- (1/n)\text{M}^{n+}$ ,  $-\text{CF}_2\text{C}(\text{O}(1/n)\text{M}^{n+})_2\text{CF}_3$ ;

$\text{M}^{n+}$  is a cation having valence  $n=1-4$ .